PRESERVED

C&I

App. F. IX-4.

1934.5
(Ure)

Previous References

File No. 281-34

Serial Nos. 1 - 4

Letter References.

GENERAL AND REVENUE SECRETARIAT.

Serial Nos. four

Part B for July 37

SUBJECT.

Starting of a glass factory in the State

WD 0418—GPB—22,500—29-8-36

D.T.C. 281-34-

DEWAN'S MINUTE.

DEWAN'S OFFICE
24 APR. 1935
No. D. 1302

FILE No. 193 .

Mr Varshney's letter re starting of a glass factory in this State

---

2) The suggestion is well worth consideration. Please acknowledge letter stating that it is under consideration.

MS
24-4-35.

Secy, Dev. Dept.

3) Draft
x x x
MS 26/4

GEN. & REV. SECTT.
26 APR. 1935
DEVELOPMENT BRANCH.

4) For perusal
First Member MS 26/4

5) Dft Subd
26/4/35. MS

6) [illegible]
26/4

7) Issue and submit
MS 26/4

OFFICE OF THE
FIRST MEMBER OF COUNCIL
26 APR. 1935
No. 7782

To Y. P. Varshney Esq M.Sc
No D 7154 D 27.4.35

States that the suggestions contained in his letter will be duly considered.

TYPE G SECTION.
27 APR. 1935
GENL & REV. SECTT.

6579
3/5

8) Issued. Subd with a letter to the Dr Ve

9) For approval
Dewan MS 3/5

10 MAY 1935
GENL & REV. SECTT.

SL-2

GENL & REV. SECTT.
13 JUNE 1935
DEVELOPMENT BRANCH

Letter No 7433 D 14.5.35
from Dr Varshney - Ve
Cards for his views in the matter

10) MS 9/5

11) Issue MS 9/5

Starting of a Glass Factory in the State (2

General and Revenue Secretariat — File No. 281 of 193 4 — [App. F. III—2

Serial No.	
3.	From Mr. Y. P. Varshney, Allahabad Letter dt 12.5.36 Refers to Letter dt 27.4.35 and enquires if any conclusions have been arrived at in the matter (1) The Director has replied (X) on 4.6.36 that the subject is under the consideration of the Bd of Exe that a report would be sent as soon as their Recommendations are available Draft sent to Bds Sec by hy 20.5.36 19/5/36 AWW 5/6 2v (2) The Director of Industries AWW 22.5.36 (3) Issue hy 22-5-36 TYPING SECTION 22 MAY 1936 GENL 4 Letter No D.7264 B 28-5-36 to Mr Y.P. Varshney : States that the Subject is under investigation by the Board of Exe etc.

7627
2-1/5

NOTE.—Contn. Sheet.

WD 03594—GPB—30,000—13-7-35

Starting of a glass factory in Mysore

2589

2/24

Dte File No.	281	of 193 4.	General and Revenue Secretariat

From,

Mr. Y. P. Varshney

Glass Technologist

Letter d 3.11.36 enquiring whether the Govt of Dte have completed their investigations as to the possibility of starting glass manufacture in Mysore and stating that if desired he would conduct experiments with the raw materials for making good usable glass.

Ref^ce para 12-14 Supra

No report has so far been received from the Govt of Dte.

2 Dfts (a R^y and a reply to Mr. Varshney) are subd.

TSO Clk 10/11

10.11.36

16.11.36.

Issued 16.11.36

3430 4/11

TYPING SECTION 17 NOV. 1936 GENL

Letter No 3531 dated 28.11.36 to Mr Y.P. Varshney Allahabad informing him that the matter is still under consideration.

Letter No 3532 D/ 28.11.36 to the Dir, Dte Sri N. enquiring when his final report in the matter may be expected

GENL SECTION 14 DEC. 1936

DEVELOPMENT BRANCH

Glass manufacture in the State

General and Revenue Secretariat | Misc. File No. 281 of 1936. [App. F. III—2

Serial No.

3 From the Dir Inc

No. DS-2646/35-36 dt 15-5-37

To the resolution of the Board of Inc. recommending that the scheme for starting a glass factory may be deferred until the results of the experimental manufacture undertaken by the Govt Elec. factory are known

Sent for perusal. The scheme of the Govt Elec factory for experimental manufacture of high glass glass at a cost of Rs 5000/- was sanctioned by Govt in Go of 20-5-37.

Inc 315-36-2.

For the present, the papers will be filed.

ky 295 hm

ky 26.5.37

Letter dated 27-5-37 from Mr. Varshney, Allahabad requesting to be informed if the Board of Inc have come to any decision about starting a glass industry in the State etc.

The Board of Inc have deferred further consideration of the subject till after the results of experiments in glass manufacture undertaken by the Govt Elec. factory are known.

Draft reply to Mr Varshney submitted.

Der Sec ky 10-6-37

Issued MM: 15.6.37 ky 15.6.37

ASST. SECRETARIAT 27 MAY 1937

M.

SECTION 16 JUN 1937 GEN. & REV. SECTT.

sdb/ky sdb/ky

NOTE—Contn. Sheet.

WD 0417—GPB—30,000—8-9-36

File No. 250 of 1936

General and Revenue Secretariat

Serial No.

To. Mr. Y. P. Varshney, Ahmedabad

No. 8725 of 26-6-37

Stats that the scheme for manufacture of glass will be finally decided by the Board after the results of experimental manufacture undertaken by the Govt. Glass-factory are known and that the information about cement, fuels, fuel and raw materials used in ceramic industry will be furnished by the Dir. as soon as copy thereof is received from the Govt. of India

B

H.E.H. THE NIZAM'S GOVT.
6 JULY 1937
DEVELOPMENT BRANCH

Y. P. Varshney M.Sc.
Glass Chemist(Sheffield)

7, Edmonstone Road
Allahabad, U.P.

18th.April 1935.

Sir,

Some time back I had the occasion of meeting the Secretary of the Mysore Chamber of Commerce, and I gathered that as yet no glass factory has been started in the State. There is no doubt that national industrialization is at a very high level in your State, and I do not see any particularreason why the glass industry shoul not also flourish there.

Recently I have returned from abroad after specializing in the manufacture of glass hollow-ware and am at present working for one of the biggest glass firms in northern India. However, it will be a great privilege and pleasure to me , if I can be of any service in developing this industry in Mysore.

Therefore I request you to very kindly favour me with your esteemed opinion regarding the possibility of such an enterprise and the extent to which the State might be able to lend support.

A reply will greatly oblige.

I have the honour to be Sir,
Your most obedient servant

Y. P. Varshney

The Dewan Saheb
Mysore Raj
Mysore.

Appendix F. G.–1]

SUBJECT Glass Industries

Section. I & C

File No. 287-34

Serial No.

No. 7159

To Y. P. Varshney, Esqr. M.Sc.,
Glass Chemist,
7, Edmonstone Road,
Allahabad, U.P.

Diary No. of letter replied to

General and Revenue Secretariat.

( )

the 193

Date of issue 29/4/35

Signed by N. N. Mehra

Sir, I am directed to with thanks acknowledge the receipt of your letter dt 18/4/35 suggesting the starting of a glass factory in the State and to state that the suggestion will be duly considered.

I have etc

26/4

for Dev Sec

List of enclosures

Copied by

Examined by

26/4/35

GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE

General and Revenue Secretariat

No. D 7154 — TK 287-34

Dated, Bangalore, 27th April 1935.

From

The *Secretary to the Government of His Highness the Maharaja of Mysore, Development Department.*

To

T.P.Varshney, Esq.,M.Sc.,
Glass Chemist, 7, Edmonstone Road,
ALLAHABAD, U.P.

Sir,

I am directed to acknowledge, with thanks, the receipt of your letter dated 18th April 1935, suggesting the starting of a glass factory in the State and to state that the suggestion will be duly considered.

I have the honour to be,
Sir,
Your most obedient servant,

for Secretary to Government,
Development Department.

V.L.

9

Appendix F. G.–1]

SUBJECT.....

Section. 9-Fe

File No. 281-34

Serial No. 2

No. D 7433/E

To The Divisional Forest Officer,

Diary No. of letter replied to.....

General and Revenue Secretariat.

( )

the 193

Date of issue 14/5/35

Signed by K. N. Rao

Sir,

Subject

Establishment of a Plantation Factory in the State

I am directed to forward herewith ~~for favour of~~ ~~your opinion~~ a copy of letter from Mr Varshney ~~suggesting~~ the establishment of a Plantation Factory in Mysore in the State and to state that ~~Govt consider that~~ I have ~~the application necessary~~ to ~~be required careful~~ examination ~~as to~~ the ~~fees~~ ~~3/5~~ ~~for~~ ~~forwarded~~ I.

~~Govt~~ the suggestion appears to be worthy of careful consideration. I am therefore to request you to kindly favour Govt with your views in the matter

List of enclosures.....

Copied by.....

Examined by.....

10

GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE

General and Revenue Secretariat 124

No. D 7433/6
1K 28-34-2

Dated, Bangalore, 11th May 193.5

From

The *Secretary to the Government of His Highness the Maharaja of Mysore, Development Department.*

To

The Director of Industries and Commerce in Mysore, Bangalore.

Sir,

Subject.

Starting of a Glass Factory in the State.

I am directed forward herewith a copy of letter from Mr.Varshney, suggesting the starting of a glass factory in Mysore and to state that the suggestion appears to be worthy of careful consideration. I am therefore to request you to kindly favour Government with your views in the matter.

I have the honour to be,

Sir,

Your most obedient servant,

for Secretary to Government,
Development Department.

RS.

23

Ire 137-

Ire.281-34-3 F

MR. Y. P. VARSHNEY, M.Sc.
GLASS TECHNOLOGIST (SHEFFIELD).

7, Edmonstone Road,
Allahabad, U.P.
12th. May 1936.

Ref. No. YP/B 46.

The Secretary to the Government of
His Highness The Maharaja of Mysore.
Development Department, Bangalore.

5493

GEN. & ENV. SECTT. (ANNEX.)
16 MAY 1936
DEVELOPMENT BRANCH

Sir, F

Your Ref. No. Q 7154/HC 281-54. of 27th. April 1935.

I will be glad to know if your Government have given consideration to my suggestion of a glass factory being started in your State and if any conclusions have been arrived at.

I have the honour to be
Sir,
Your most obedient servant

Y. P. Varshney.

Appendix F G—1]

SUBJECT.....

.....

.....

Section 9te

File No. 281-34

Serial No. 4

Diary No. of letter replied to.....

No. D. 7264

To

Mr Y. P. Varshney Esq

M.Sc

Glass chemist

7 Edmonstone Road

Allahabad

Sir

Subject

Starting of a Glass factory in the State

With reference to your letter YP/B 46 dt 12.5.36 on the above subject, I am directed to state that the question is under consideration by the Govt of India and that the question would be taken up for consideration by Govt on receipt of the recommendations of the Govt

Yours

Dy Secy

20/6/36

General and Revenue Secretariat

( )

the 193 .

Date of issue 28/5/34.

Signed by dlc/ 1258

List of enclosures.....

Copied by.....

Examined by.....

WD 03601—GPB—30,000—23-9-35

GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE.

General and Revenue Secretariat

No. D. 7264

Bangalore, Dated, 27th May 1936

From

The *Secretary to the Government of His Highness the Maharaja of Mysore, Development Department.*

To

Y.P.Varshney, Esq., M.Sc.,
Glass Chemist, 7. Edmonstone Road,
Allehabad.

Subject:- Starting of a Glass Factory in the State.

Sir,

With reference to your letter No.Y.P./B.46 dated 12th May 1936 on the above subject, I am directed to state that the subject is under investigation by the Board of Industries and Commeree and that the question would be taken up for consideration by Government on receipt of the recommendations of the Board.

I have the honor to be,
Sir,
Your most obedient servant

For Secretary to Government,
Development Department.

S.R.2

MR. Y. P. VARSHNEY, M.Sc.
GLASS TECHNOLOGIST (SHEFFIELD).

7, Edmonstone Road
Allahabad.
3rd. Nov. 1936.

9/11/36

9 NOV. 1936
DEVELOPMENT BRANCH

The Secretary to the Government of
His Highness the Maharaja of Mysore
Developement Department.

Sir,

Going through my files I noticed your letter No. D 726 R/F+C 281-34-4 of 28th. May 1936 and am glad to enquire whether the Board of Industries and Commerce have so far completed their investigations as to the possibility of starting glass manufacture in Mysore State.

In this connection I may add that if desired by you it will be possible for me to examine and analyse samples of any raw materials like sand, quartz, limestone, dolomite, felspars etc. available in the state and to conduct experimental melts with those very raw materilas for making good unable glass.

I have the honour to be

Sir,

Your most obedient servant

Y. P. Varshney.

Appendix F G—1]

SUBJECT.....

.....

.....

Section Dre

File No. 281-34

Serial No.

Diary No. of letter replied to.....

No. D. 35-31

To J. P. Varshney Esq M Sc,

Glass Technologist

7 Edmonstone Road

Allahabad

General and Revenue Secretariat

( )

the *193*

Date of issue 28.11.36

Sir,

Signed by Asst K Subbarao

Subject: Starting of a glass factory in the State.

With reference to your letter dated 3rd nov 1936 on the above subject, I am directed to state that the matter is under investigation by the Board of Dre, and that it will be considered by Govt on receipt of the recommendations of the Board.

List of enclosures.....

Copied by .....

Examined by.....

I have the

WD 03601—GPB—30,000—23-9-35

Dy. Dev. Sec

10.11.36 ISD 10/11

Appendix F G—1]

SUBJECT.....

.....

.....

Section Dte

File No. 281-34

Serial No.

No. D. 35-32

Diary No. of letter replied to.....

To

The Divl Dte

Subject:— Starting of a glass factory in the State

General and Revenue Secretariat

( )

the *193*

Dear Sir,

Date of issue 28.11.36

I am desired ~~directed~~ to invite reference to the correspondence ending with your letter D.S. 446/35-36 d. 4.6.36 and to the office reminder no. D.7364 d. 5.6.36 and to enquire when a final report may be expected in the matter

Signed by M.K. Subba Rao

List of enclosures.....

TYPING SECTION 26 NOV. 1936 GENL. SECTT.

Copied by .....

Examined by.....

Yours faithfully

for Dy Secy

10.11.36

TSD 10/11

Tel.: "INDUSCOM" GOVERNMENT OF MYSORE

DEPARTMENT OF INDUSTRIES AND COMMERCE.

Mr. B.G. Appadorai Mudaliar, B.A., B.Sc., A.M.I.Mech.E., *Director.* (In-charge)

OFFICE OF THE DIRECTOR,

Bangalore, dated the 2nd December *193* 6.

D. O. No. D5-466/35-36.

SECT. & DEPT. SECRETARIATS
- 4 DEC. 1936
DEVELOPMENT BRANCH

Dear Sir,

Starting of a Glass Factory in Mysore.

With reference to your D.O. No.D.3532/I&C. 281-34, dated 26/28th November 1936 calling for a final report on the above subject, I write to state that the matter is under the consideration of the Sub Committee of the Board of Industries and Commerce. As soon as the recommendation of the Sub Committee are available I shall submit my report to Government.

Yours sincerely,

M. Venkatanaranappa, Esq., B.A.,
Secretary to the Government of Mysore,
Development Department, Bangalore.

ATN.)

I & C. 281-34-3

Tele {Phone No.—211
Grams—INDUSCOM.

In reply please quote number, date & short title

GOVERNMENT OF MYSORE.

DEPARTMENT OF INDUSTRIES AND COMMERCE.

From (Name) S.G. Sastry, Esq.,B.A.,M.Sc.,F.C.S.,
(Designation) Director of Industries and Commerce,
Station Camp Mysore.

To

M. Venkatanaranappa, Esq.,B.A.,
Secretary to the Government of Mysore,
Development Department, Bangalore.

No D.5-446/35-36. Dated 15th May 1937.

Enclosures Nil.

SIR,

Starting of a Glass Factory in the State.

With reference to your letter No.D.7433/ I & C 281-34-2 dated 14th May 1935 on the above subject, I have the honour to state that subject along with improvements in the indigenous glass bangle works was considered at the meeting of the Board of Industries and Commerce held on 31st March 1937.

It was decided to defer the further consideration of the subject till the results of experiments in the manufacture of special varieties of glass proposed to be undertaken at the Government Electric Factory, Bangalore, were available. The question of improving the indigenous bangle industry was also required to be taken up for consideration afterwards.

I shall submit further report in the matter as soon as the results of the experiments proposed to be undertaken at the Government Electric Factory are made available and considered by the Board.

I am sending herewith for your information copy of

of letter No.450 dated 20th April 1937 together with its enclosures received from the Secretary, Board of Industries and Commerce on the subject.

I have the honour to be,
Sir,
Your most obedient servant,

Director.

Letter No.450 dated 20th April 1937 from the Secretary, Board of Industries and Commerce, Bangalore to the Director of Industries and Commerce in Mysore, Bangalore.

Reference:- Starting of a Glass Factory in the State and improvements in the indigenous Glass Bangle works.

I have the honour to state that the above subjects were considered at the meeting of the Board of Industries and Commerce held on 31st March 1937. I am forwarding herewith for your kind information copies of the proceedings of the Board and also of the Sub Committee on the subject. It was decided at the meeting of the Board that it was desirable to defer the further consideration of the subject till the results of the experiments in the manufacture of special varieties of glass proposed to be undertaken at the Government Electric Factory, Bangalore, were available. The question of improving the indigenous bangle making industry was also required to be taken up for consi-deration afterwards.

The subject will be placed before the Sub Committee of the Board as soon as the results of the experiments proposed to be undertaken in the Government Electric Factory are made available.

"Copy"

Director.

CONFIDENTIAL.

2/

BOARD OF INDUSTRIES AND COMMERCE.

Proceedings of the meeting of the Chemical Industries Sub-Committee held at 3-30 p. m. on the 4th February 1937 in the Office of the Director of Industries and Commerce.

PRESENT.

1. Sir C. V. Raman, Kt., M.A., Ph.D., D.Sc., LL.D., F.R.S., N.L. (*Chairman*).
2. Mr. S. G. Sastry, B.A., M.Sc. (Lond.), F.C.S.
3. Mr. B. Rama Rao, M.A., D.I.C., F.G.S.
4. Mr. H. K. Ramiengar, M.A. (Hons.), (*Secretary*).

ABSENT.

1. Mr. Maurice Frydman (Letter expressing inability to attend the meeting was received).
2. Mr. S. G. Forbes, E.E., B.Sc, (E. & M.E.), Mem. A.I.E.E. (Phone message expressing inability to attend the meeting was received).

Establishment of a Glass Factory in the State.

The Secretary stated that the question of starting a Glass Factory in the State had been referred by Government for consideration. When the subject was considered at the meeting of the Sub-Committee on the 31st July 1935, the members desired to have information regarding the availability of suitable raw materials in the State required for the manufacture of glass. The Secretary then read extracts from the letters on the subject received from the Director of Geology in Mysore. He also referred to the recommendations made by the Indian Tariff Board on Glass Industry, the action taken thereon by the Government of India and to the recent survey on Glass Industry by Mr. Dixon of the Indian Industrial Research Bureau at the instance of the Government of India. Soda ash was one of the raw materials required by the industry and in the absence of satisfactory local supplies, India had to get it from the foreign countries. Though the claim of the industry for protection had not been rejected, it may take some years before a final decision is taken in the matter. Meantime, the Government of India had afforded the glass industry some relief by way of rebate of the duty on imported soda ash for a period of three years from June 1935. Concluding his survey of the Indian Glass Industry, Mr. Dixon states as follows:—

"The industry at present labours under difficulties both from the effects of foreign competition particularly Japanese, and also from reckless internal competition, as a result of which only small works with low overhead charges and producing the cheapest ware, can be run with profit. The industry is not organised and suffers from a lack of technical knowledge and modern methods of production. The demand for glass-ware is, however, undoubtedly increasing, and, provided Indian glass manufacturers can improve the quality and composition of glass, there is no reason why most of the glass required in India should not be manufactured in the country. It would seem that the general introduction of more efficient furnaces would do a great deal to assist the industry towards this goal".

Mr. Rama Rao stated that pure sand free from iron contamination was not available in the State and that in the absence of such sand we should depend upon quartz available locally. He was sure that this would considerably add to the cost of manufacture. Another important raw material was soda ash and though it was available in an impure form to some extent the local supplies were not adequate.

Further the heavy cost of coal imported into the State was another factor to be taken into account. Mr. S. G. Sastry referred to the experiments made by the Department for securing soda ash from the local supplies during the war-time and stated that the results obtained were not encouraging and the work had to be discontinued.

The Chairman enquired if any private enterprise was likely to come forward to undertake the manufacture of glass in the State. Mr. S. G. Sastry answered in the negative in view of the difficulties in obtaining at competitive rates the essential raw materials and fuel required for making commercial glass. The cost of silica obtained from pulverizing quartz would be high and in the case of soda ash the industry would have to depend on outside sources of supply. Further the new venture had to face competition from foreign countries.

The Chairman stated that the prospects for starting a glass factory in Mysore were not bright in view of the absence of necessary raw materials and coal.

Mr. Rama Rao stated that the Mining Companies tried to make use of the cyanide dust in the manufacture of glass and their efforts did not meet with success.

After some discussion it was resolved that due to the absence of suitable raw materials in the State required for the manufacture of Glass, lack of cheap fuel and the necessity of importing soda ash and other chemicals, the manufacture of glass in Mysore was not a feasible proposition.

Improvements in the indigenous glass-bangle-making industry.

The Secretary stated that this question was taken up at the instance of one of the members of the Board and explained that two or three decades ago the manufacture of bangle-glass and of bangles was practised in several places in the State and that the industry had practically disappeared now. It was due to the loss of market consequent on the imports of bangles of attractive designs and better workmanship at low prices and the changes in the fashions and tastes of the people. Those that were formerly engaged in the manufacture of glass bangles now found that the hawking of the imported bangles in the rural areas was more lucrative than the manufacture of bangles. Samples of bangles made at Thovinkere, Tumkur District were examined by the members. There was a suggestion made that selected bangle-makers be deputed for studying the improved methods of making bangles and that on their return they should be assisted in starting the industry.

Mr. S. G. Sastry stated that the industry was formerly practised at the interior centres like Thovinkere, Anivalu, etc. The improvement in the means of communication had deprived them of their sheltered market. The conservative tendencies of the artisans and a rise in the cost of fuel and other materials were other unfavourable factors. There were several kinds of plastic materials available in foreign countries for the manufacture of bangles and these would compete with glass bangles.

It was brought to the notice of the members that Government Electric Factory had put up a pot furnace with the object of manufacturing lamp shades and other articles and that the facilities available there would be placed at the disposal of the Department if it decided to carry on any experimental work in this connection.

There was some discussion regarding the possibilities of reviving or improving the bangle-making industry by deputing selected artisans for receiving training outside the State. Mr. S. G. Sastry pointed out that some years ago a few persons had been deputed to the Paisa Fund Glass Works for receiving training, that there was no marked improvement in the indigenous industry on their return and that in view of the changes in the industry and trade that had since taken place, it was doubtful if similar deputation of selected persons to bangle-making factories in the United Provinces would now be attended with better results.

The sense of the meeting was that there were no chances of improving the indigenous bangle-making industry in the State.

H. K. RAMIENGAR
Secretary.

C. V. RAMAN,
Chairman.

WD 1463—GPB—100—22-2-37.

Extract from the Proceedings of the Sixth meeting of the Board of Industries and Commerce held on 31st March 1937.

x x x x x x x x x

(a) Starting of a Glass Factory in the State:- The Director of Industries and Commerce stated that this subject had been receiving the attention ofthe Economic Conference and the Department for several years past and that no action could be taken in the absence of suitable raw materials required for the manufacture of glass. Though quartz could be made use of, it entailed additional expenditure. He referred to the competition from Japan and other countries where the industry had made considerable progress in recent yaars.

Mr. Maurice Frydman stated that a small furnace had just been built in the Government Electric Factory and that it was proposed to manufacture some varieties of high grade glass. Instead of sand, quartz was proposed to be utilised. He then suggested that the consideration of this subject might be deferred till the results of the experiments to be conducted in the Electric Factory were available.

The Director of Geology stated that the important raw materials required for starting the glass industry was sand, soda and lime. Though there was sand available it was not free from iron and by using this sand, it was possible to make a slightly coloured glass useful for making bottles. It was true that sand could be replaced by quartz but the difficulty was that it entailed additional expenditure and even then there was a possibility of its getting contaminated with iron during the processes of grinding, grading, etc. Further, they had to depend upon imported soda to a large extent as the local supplies of earth salt were very limited. He thought that in view of these difficulties it was not advisable to undertake the manufacture of glass on a large scale.

The sense of the meeting was that it was desirable to defer the further consideration of the subject till the results of the experiments proposed to be undertaken at the Government Electric Factory were available.

(b) Improvements in the indigenous glass bangle making industry:

As regards the improvements in the indigenous bangle making industry, the Director of Industries and Commerce endorsed the views of the Sub Committee on the subject. He stated that there was no possibility of improving the industry as the situation was quite hopeless. Several speakers referred to this Industry as it existed about 20 to 30 years ago and pointed out how the industry had disappeared owing to competition from foreigh countries. It was also pointed out that the glass bangles were being displaced by bangles made of other materials. Mr. Frydman stated that if the experiments in the Electric Factory met with success the question of improving the bangle making industry might be then taken up.

x x x x x x x x x

Extract.

Secretary.

KSS/

5493

MR. Y. P. VARSHNEY, M.Sc.
GLASS TECHNOLOGIST (SHEFFIELD).

7, Edmonstone Road
Allahabad.
27th.May 1937.

JUNE 1937
DEVELOPMENT BRANCH.

31/5(37)

6670

The Secretary to the Govt. of
His Highness The Maharaja of Mysore
Development Department
Bangalore.

Your ref. No.D 3531/I&C 181-34.of 25/11/36.

Sir,

I will be glad to know if the Board of Industries and Commerce have come to any decision regarding the development of glass manufacture in the State. Further, I will be glad if you can kindly arrange to send me some particulars of the current prices of various fuels and raw materials used in the ceramic industry in your State.

Thanking you

I have the honour

to be Sir,

Your most obedient servant

Y. P. Varshney

Appendix F G—1]

21

SUBJECT .....

.....

.....

Section IRC

File No. 281-34

Serial No.

No. D 8729

Diary No. of letter replied to.....

To

J. P. Varshney, Esq. M.Sc.,

Glass Technologist, 7, Edmonstone Road

Allahabad

General and Revenue Secretariat

( )

the *193*

Sir,

Subj:- Glass manufacture in the State

Date of issue 24-6-37

Signed by M K Subba Rao

With reference to your letter dated 21-5-37 enquiring if the Board of IRC have taken a decision on the above subject, I am directed to state that the question is still under the consideration of the Board and a final decision will be taken only after the results of some experiments on glass manufacture recently undertaken by the Govt. etc. factors are known.

List of enclosures.....

Copied by .....

Examined by.....

WD 0521—GPB—30,000—12-3-37

Sir - IRC has been requested to furnish you with the particulars of current prices of fuels

and raw materials used in Ceramic industry

Have en

D 8730/1

10.9.87

Copy to the Dir. Dec for information

If necessary action with a copy to Lower Upper Quarternary

10.9.87

GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE

General and Revenue Secretariat

Dated, Bangalore, 22nd June 1937

No. D 8729.

From

The *Secretary to the Government of His Highness the Maharaja of Mysore, Development Department.*

To

Y.P.Varshney, Esq., M.Sc.,
Glass Technologist,
7, Edmundstone Road, Allahabad.

Sir,

Subject:- Glass Manufacture in the State.

With reference to your letter dated 27th May 1937 enquiring if the Board of Industries and Commerce have taken a decision on the above subject, I am directed to state that the question is still under the consideration of the Board and that a final decision will be taken only after the results of some experiments on glass manufacture recently undertaken by the Government Electric Factory are known.

The Director of Industries and Commerce has been requested to furnish you with the particulars of current prices of fuels and raw materials used in ceramic industry.

I have the honour to be,
Sir,
Your most obedient servant,

Sd.M.Venkatanaranappa
Secretary to Government,
Development Department.

Memo No. D 8730 Encl Dated, Bangalore, the 22nd June 1937.

Copy of the above is forwarded with compliments to the Director of Industries and Commerce in Mysore, for information and necessary action with a copy of letter of Mr.Varhney.

By Order,

For Secretary to Government,
Development Department.

mk.3